Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assign:\_\_\_\_

**Organic Molecule Clips and Practice**

**Hydrocarbons**

1. What is cracking?
2. What kinds of products are produced from cracking crude oil?
3. What are some dangers in using hydrocarbons for energy sources?

**Plastics**

1. How are plastics made?
2. What kind of products do we use that are made of plastics?
3. How does the use of plastics impact our health?

**Elements of Chemistry-Carbon Discovery Streaming Vid Questions**

1. What is organic matter?
2. What is organic chemistry?
3. Of the 12 million substances identified, how many have significant carbon?
4. List 3 examples of carbon based substances.
5. What is unique about carbon that makes it different than other elements?
6. What are hydrocarbons?
7. What is a saturated hydrocarbon?
8. Give two examples of functional groups.
9. What is a polymer?
10. Give two examples of synthetic polymers.
11. What is a major environmental problem we have with plastics?

**Structure Formulas – Simplified version of what we had been doing:**

Example: Propane 3 methyl octane

**What are the structural formulas for the following?**

1. Methane
2. Octane
3. Butane
4. 2 methyl pentane
5. 3 methyl hexane
6. 2 methyl hexane

**Given the following structural formulas, name them.**

1. CH3 – CH2 – CH3
2. CH3 – CH2 – CH2 – CH2 – CH2 – CH3
3. C2H6
4. CH4
5. CH3 – CH2 – CH – CH2 – CH2 – CH3

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CH3

1. CH3 – CH2 – CH2 – CH2 – CH2 – CH2 – CH2 – CH3

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CH3

1. CH3 – CH – CH2 – CH2 – CH2 – CH3

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CH3